APPARATUS AND METHOD FOR PREDICTING THE REMAINING DISCHARGE TIME OF A BATTERY

ABSTRACT OF THE DISCLOSURE

A method and apparatus for predicting the
5   remaining discharge time of a battery are provided.
The method includes measuring a dynamic parameter of
the battery, obtaining a discharge current of the
battery, measuring a voltage of the battery and
obtaining a temperature of the battery. The remaining
10   run time of the battery is predicted as a function of
the measured battery dynamic parameter, the discharge
current, the measured battery voltage, the battery
temperature, a full charge battery dynamic parameter
and an estimated capacity of the battery.

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